

WELL NAME: Lytle 1-17
COMPANY: American Warrior Inc
LOCATION: 17-33s-18w
Comanche co KS
DATE: 4/7/00

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, Inc.

DATE 03/29/200

WELL NAME: Lytle #1-17

KB 0.00 ft

TICKET NO: 12093 DST #1

LOCATION : 17-33s-18w Comanche co KS

GR 0.00 ft

FORMATION: Pawnee/Ft.Scott

INTERVAL : 5095.00 To 5165.00 ft

TD 5165.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1352 to 1422 hr
SI 60 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1422 to 1452 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1452 to 1537 hr
FS 120 Depth(ft)	5162.0	5162.0	5101.0	0.0	0.0	FS Fr. 1537 to 1637 hr

	Field	1	2	3	4	
A. Init Hydro	2533.0	2579.0	2508.0	0.0	0.0	T STARTED 1128 hr
B. First Flow	53.0	108.0	38.0	0.0	0.0	T ON BOTM 1349 hr
B1. Final Flow	53.0	86.0	53.0	0.0	0.0	T OPEN 1352 hr
C. In Shut-in	1555.0	1586.0	1595.0	0.0	0.0	T PULLED 1637 hr
D. Init Flow	53.0	99.0	43.0	0.0	0.0	T OUT 1815 hr
E. Final Flow	53.0	80.0	57.0	0.0	0.0	
F. Fl Shut-in	1850.0	1880.0	1876.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2586.0	2591.0	2571.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 72000.00 lbs
						Unseated Str Wt 72000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 294.40 ft
						D.P. Length 4827.60 ft

RECOVERY

Tot Fluid 90.00 ft of 90.00 ft in DC and 0.00 ft in DP
 5000.00 ft of Gas in pipe.
 90.00 ft of Very slight gas cut mud
 0.00 ft of 2% gas 98% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in 30 seconds.

Initial Shut-In:

Bled down for 10 minutes. No blow back.

Final Flow:

Strong blow bottom of bucket in 15 seconds. Gas to surface in 5 minutes. Gauged gas.

Final Shut-In:

Bled down for 10 minutes. No blow back.

SAMPLES: Caraway Analytical 728 N.Roosevelt

SENT TO: Liberal, Ks 67901

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	60.00 S/L
W.L.	7.60 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Alan Downing
Contr.	Duke
Rig #	7
Unit #	no
Pump T.	none

Test Successful: Y

GAS RECOVERY

COMPANY: American Warrior, Inc.

DATE: 03/29/200

WELL NAME: Lytle #1-17

KB Elev: 0.00

ft TICKET #12093

DST #1

WELL LOCATION: 17-33s-18w Comanche co KS

GR Elev: 0.00

ft FORMATION: Pawnee/Ft.Scott

INTERVAL Fr.: 5095.00 To 5165.00 T.D.: 5165.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
15	0.25	0	38	10400.0
25	0.25	0	48	11600.0
35	0.25	3	0	15700.0
45	0.25	4	0	19500.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Lytle #1-17

LOCATION : 17-33s-18w Comanche co KS

TICKET No. 12093 D.S.T. No. 1 DATE 03/29/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 66

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 32

TOTAL ASSEMBLY 98

D.C. ABOVE TOOLS.Stands5 Single Total 294.40

D.P. ABOVE TOOLS.Stands77 Single Total 4795.60

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5188

TOTAL DEPTH 5165

TOTAL DRILL PIPE ABOVE K.B. 23

REMARKS:

P.O. SUB Top of tool @	5068
C.O. SUB	5069
S.I. TOOL	5074
HMV	5079
JARS	5084
SAFETY JOINT	5086
PACKER	5090
PACKER	5095
DEPTH 5095	
1'to	5096
ANCHOR 32'of perfs.to	5128
Alpine rec.@ 5101	
32'of drillpipe to	5160
Ak-1 rec.@ 5162	
BULLNOSE 5'bullnose to	5165
T.D.	

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Sample From: Lytle 1-17 DST 1
Producer: American Warrior, Inc.

Pressure:
Temperature:

Time:
Sampler:
Source:

County: Comanche
State: Kansas
Formation: Pawnee/

-----Ft. Scott

	Mole %	GPM
Helium	He: 0.156	0.000
Hydrogen	H2: 0.007	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 3.052	0.000
Carbon Dioxide	CO2: 0.008	0.000
Methane	C1: 90.777	0.000
Ethane	C2: 3.240	0.867
Propane	C3: 0.989	0.273
Iso Butane	iC4: 0.225	0.074
Normal Butane	nC4: 0.538	0.170
Iso Pentane	iC5: 0.198	0.072
Normal Pentane	nC5: 0.153	0.055
Hexanes Plus	C6+: 0.657	0.287

TOTAL: 100.000 1.797

Z Fact: 0.9977

SP.GR.: 0.6283

BTU (SAT): 1058.0 @ 14.73 psia

BTU (DRY): 1076.7 @ 14.73 psia

OCTANE RATING: 123.4

COMMENTS:

0.000

TEST HISTORY

Tk#12093 DST#1 Lytle #1-17 American Warrior

Flag Points

t (Min.) P (PSIg)

A:	0.00	2507.50
B:	0.00	37.59
C:	28.25	52.53
D:	31.00	1594.70
E:	0.00	42.88
F:	44.50	57.15
G:	61.50	1876.28
Q:	0.00	2571.29

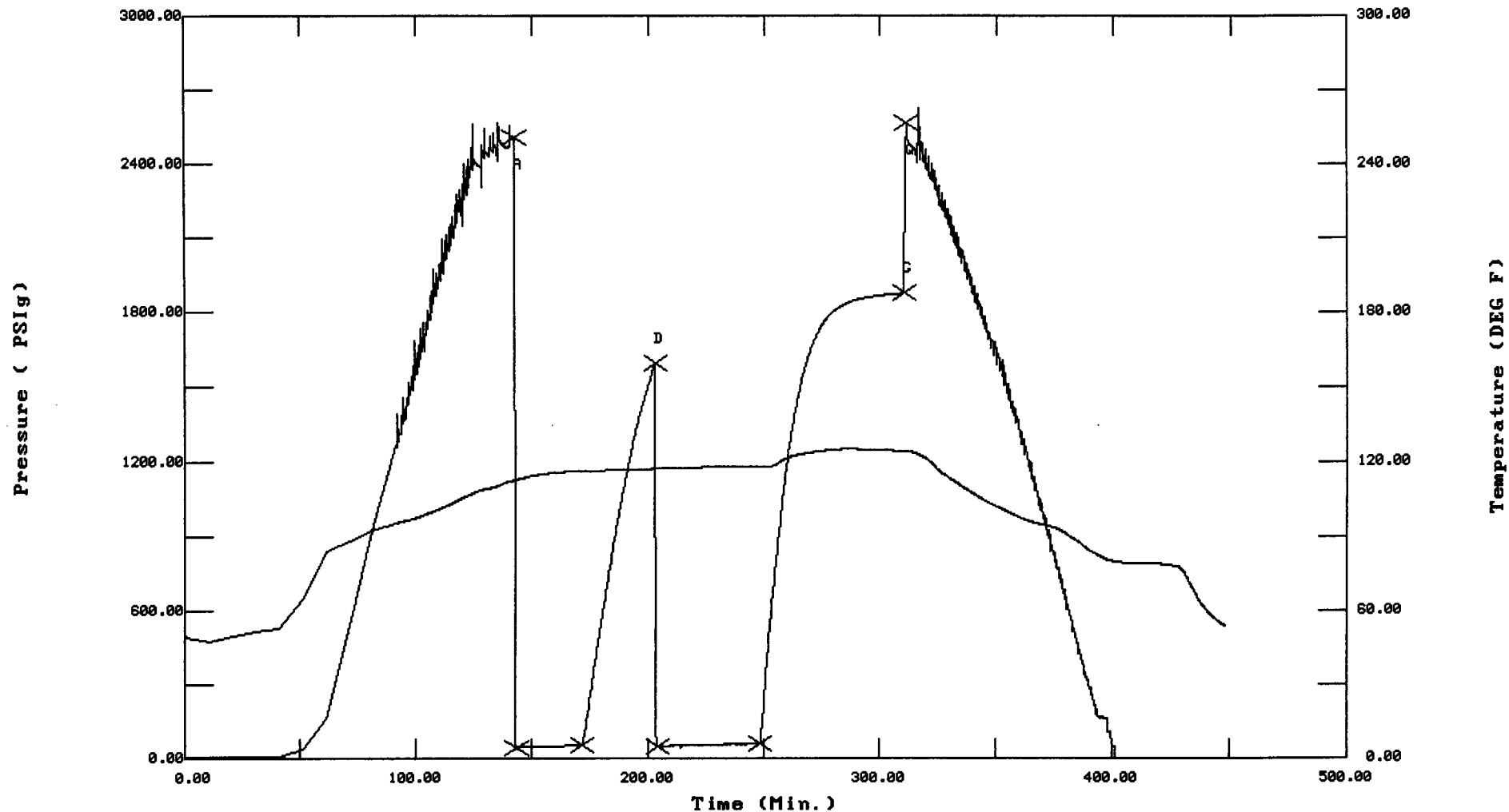
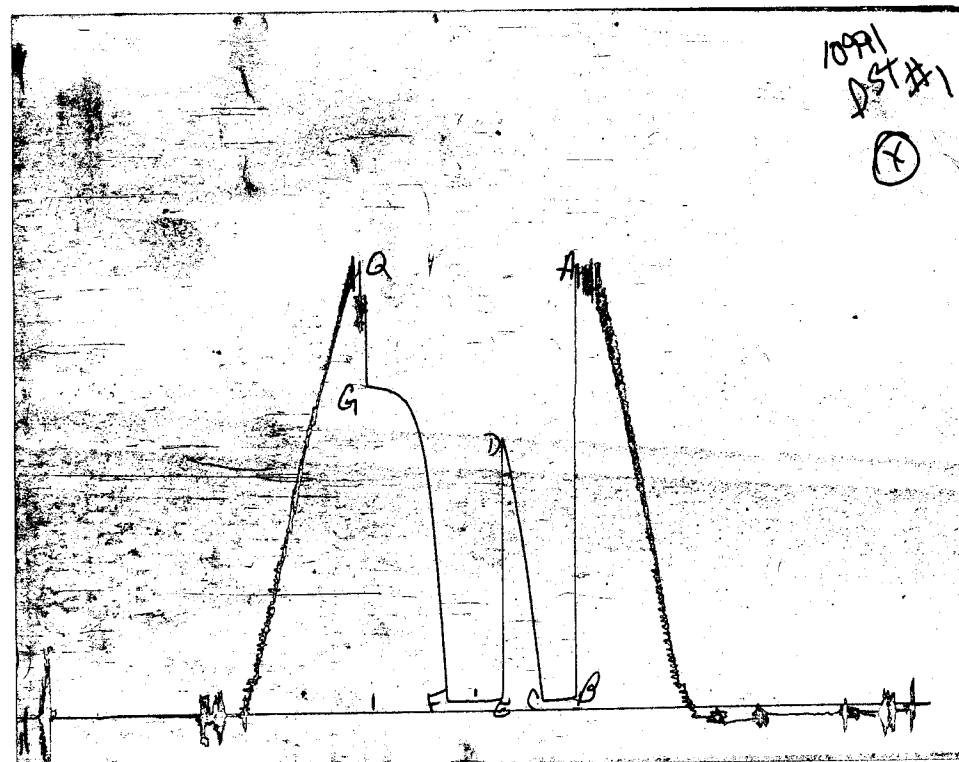


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart



GAS VOLUME REPORT

American Warrior, Inc.

Lytle #1-17

#

WELL NAME AND NO. FLP-11 DST NO. 1

NO. Pence Ft. Scott

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12093

Test Ticket

Well Name & No.	<u>Lytle #1-17</u>	Test No.	<u>#1</u>	Date	<u>03/29/2000</u>
Company	<u>American Warrior 5118 Cummins Box 399</u>			Zone Tested	<u>Pawnee \ Ft. Scott</u>
Address	<u>Garden City, KS 67846-0399</u>			Elevation	<u>2010</u> KB <u>1997</u> GL
Co. Rep / Geo.	<u>AL Downing</u>	Cont.	<u>Duke #7</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>17</u>	Twp.	<u>33S</u>	Rge.	<u>18W</u> Co. <u>Comanche</u> State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>5095 - 5165</u>	Initial Str Wt./Lbs.	<u>22000</u>	Unseated Str Wt./Lbs.	<u> </u>
Anchor Length	<u>70'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u> </u>
Top Packer Depth	<u>5090'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>5095'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>		
Total Depth	<u>5165'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>294.40</u>
Mud Wt. <u>9.2</u> LCM <u>3#</u> Vis. <u>60</u> WL <u>7.6</u>		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4827.60</u>
Blow Description	<u>IF. Strong blow b.o.b in 30 sec.</u>				
	<u>IST. Bled down for 10 mins no blow back.</u>				
	<u>FT. Strong blow b.o.b in 15 sec. BTS in 5 mins Cause Gas</u>				
	<u>EST. Bled down for 10 mins. No blow back</u>				
Recovery — Total Feet	<u>90'</u>	GIP	<u>5000</u>	Ft. in DC	<u>90'</u>
				Ft. in DP	<u>N/A</u>
Rec. <u>90</u>	Feet Of	<u>US6CM</u>	<u>2</u> %gas	%oil	%water <u>98</u> %mud
Rec. <u>5000</u>	Feet Of	<u>GIP</u>	%gas	%oil	%water %mud
Rec. <u> </u>	Feet Of	<u> </u>	%gas	%oil	%water %mud
Rec. <u> </u>	Feet Of	<u> </u>	%gas	%oil	%water %mud
Rec. <u> </u>	Feet Of	<u> </u>	%gas	%oil	%water %mud
BHT <u>125°</u>	°F Gravity	<u> </u>	°API D@	<u> </u>	°F Corrected Gravity <u> </u> °API
RW <u> </u> @ <u> </u>	°F Chlorides	<u> </u>	ppm Recovery	Chlorides <u>4,500</u>	ppm System

(A) Initial Hydrostatic Mud	<u>2533</u>	AK-1 <u>2508</u>	Alpine	PSI Recorder No.	<u>2350</u>	T-On Location	<u>1015</u>
(B) First Initial Flow Pressure	<u>53</u>	<u>38</u>	PSI	(depth)	<u>5101'</u>	T-Started	<u>1128'</u>
(C) First Final Flow Pressure	<u>53</u>	<u>53</u>	PSI	Recorder No.	<u>10991</u>	T-Open	<u>1352</u>
(D) Initial Shut-In Pressure	<u>1555</u>	<u>1595</u>	PSI	(depth)	<u>5162'</u>	T-Pulled	<u>1737</u>
(E) Second Initial Flow Pressure	<u>53</u>	<u>43</u>	PSI	Recorder No.	<u> </u>	T-Out	<u>1815'</u>
(F) Second Final Flow Pressure	<u>53</u>	<u>57</u>	PSI	(depth)	<u> </u>	T-Off Location	<u>1900</u>
(G) Final Shut-in Pressure	<u>1850</u>	<u>1876</u>	PSI	Initial Opening	<u>30</u>	Test	<u>✓ 800</u>
(Q) Final Hydrostatic Mud	<u>2586</u>	<u>2571</u>	PSI	Initial Shut-in	<u>30</u>	Jars	<u>✓ 200</u>
				Final Flow	<u>45</u>	Safety Joint	<u>✓ 50</u>
				Final Shut-in	<u>60</u>	Straddle	<u> </u>
						Circ. Sub	<u> </u>
						Sampler	<u> </u>
						Extra Packer	<u> </u>
						Elec. Rec.	<u>✓ 150</u>
						Mileage	<u> </u>
						Other	<u> </u>
						TOTAL PRICE \$	<u>1200</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Our Representative

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, Inc.
WELL NAME: Lytle #1-17
LOCATION : sec.17 twp.33s rge.18w
INTERVAL : 5872.00 To 5899.00 ft

DATE 04/01/200
KB 2010.00 ft TICKET NO: 12094 DST #2
GR 1997.00 ft FORMATION: viola
TD 5899.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10991	10991	2350			PF Fr. 0723 to 0738 hr
SI 60 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 0738 to 0838 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0838 to 0908 hr
FS 120 Depth(ft)	5896.0	5896.0	5878.0	0.0	0.0	FS Fr. 0908 to 1108 hr

	Field	1	2	3	4	
A. Init Hydro	2910.0	2920.0	2912.0	0.0	0.0	T STARTED 0448 hr
B. First Flow	2103.0	2107.0	2088.0	0.0	0.0	T ON BOTM 0720 hr
B1. Final Flow	2092.0	2096.0	2087.0	0.0	0.0	T OPEN 0723 hr
C. In Shut-in	2166.0	2162.0	2174.0	0.0	0.0	T PULLED 1108 hr
D. Init Flow	2103.0	2102.0	2085.0	0.0	0.0	T OUT 1300 hr
E. Final Flow	2082.0	2084.0	2073.0	0.0	0.0	
F. Fl Shut-in	2155.0	2156.0	2173.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2900.0	2904.0	2907.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 78000.00 lbs
						Unseated Str Wt 78000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 294.40 ft
						D.P. Length 5576.60 ft

RECOVERY

Tot Fluid 0.50 ft of 0.50 ft in DC and 0.00 ft in DP
5870.50 ft of Gas in pipe
0.00 ft of
0.50 ft of Very slight mud cut condensate
0.00 ft of 95% condensate 5% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Strong blow - bottom of bucket in
10 seconds - Gas to surface in 1 min
gauged gas

Initial Shutin:
Bled down for 45 minutes
built back to 1/2" in bucket

Final Flow:
Strong blow - bottom of bucket in
10 seconds - gauged gas

Final Shutin:
Bled down for 60 minutes
built back to 3/4" in bucket

SAMPLES: Caraway Analytical 728 N.Roosevelt
SENT TO: Liberal, Ks. 67901

MUD DATA-----

Mud Type chemical
Weight 9.10 lb/cf
Vis. 53.00 S/L
W.L. 8.00 in3
F.C. 0.32 in
Mud Drop N

Amt. of fill 0.00 ft
Btm. H. Temp. 144.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00 n
Cushion Type none
Reversed Out N
Tool Chased N
Tester Darren L. Amerine
Co. Rep. Al Downing
Contr. Duke
Rig # 7
Unit # none
Pump T. no

Test Successful: Y

P.O.	SUB Top of tool @	5845
C.O.	SUB	5846
S.I.	TOOL	5851
H		
HMV		5856
JARS		5861
SAFETY JOINT		5863
PACKER		5867
PACKER		5872
DEPTH 5872		
1'to		5873
ANCHOR 21'of perfs.to		5894
Alpine rec. @ 5878		
Ak-1 rec. @ 5896		
BULLNOSE 5'bullnose to T.D.		5899

GAS RECOVERY

COMPANY: American warrior, inc.

DATE: 04/01/200

WELL NAME: Lytle #1-17

KB Elev: 2010.00 ft TICKET #12094 DST #2

WELL LOCATION: sec.17 twp.33s rge.18w

GR Elev: 1997.00 ft FORMATION: viola

INTERVAL Fr.: 5872.00 To 5899.00 T.D.: 5899.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adj.choke

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
6	0.75	650	0	9270000.0
11	0.75	650	0	9270000.0
15	0.75	650	0	9270000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	500	0	7177000.0
10	0.75	700	0	9967000.0
15	0.75	720	0	10246000.0
20	0.75	720	0	10246000.0
25	0.75	720	0	10246000.0
30	0.75	720	0	10246000.0

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Sample From: Lytle 1-17 DST 2
Producer: American Warrior, Inc.

Pressure:
Temperature:

Time:
Sampler:
Source:

County: Comanche
State: Kansas
Formation: Viola

	Mole %	GPM
Helium	He: 0.266	0.000
Hydrogen	H2: 0.002	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 5.877	0.000
Carbon Dioxide	CO2: 0.164	0.000
Methane	C1: 85.972	0.000
Ethane	C2: 4.718	1.262
Propane	C3: 1.706	0.470
Iso Butane	iC4: 0.224	0.073
Normal Butane	nC4: 0.532	0.168
Iso Pentane	iC5: 0.124	0.045
Normal Pentane	nC5: 0.158	0.057
Hexanes Plus	C6+: 0.257	0.112

TOTAL: 100.000 2.188

Z Fact: 0.9977

SP.GR.: 0.6431

BTU (SAT): 1030.4 @ 14.73 psia

BTU (DRY): 1048.6 @ 14.73 psia

OCTANE RATING: 119.2

COMMENTS:

0.000

TEST HISTORY

Tk#12094 DST#2 Lytle #1-17 American warrior,

Flag Points

t(Min.) P(PSig)

A:	0.00	2912.20
B:	0.00	2087.61
C:	10.50	2087.11
D:	61.00	2174.27
E:	0.00	2085.26
F:	24.00	2073.43
G:	123.00	2172.59
Q:	0.00	2906.83

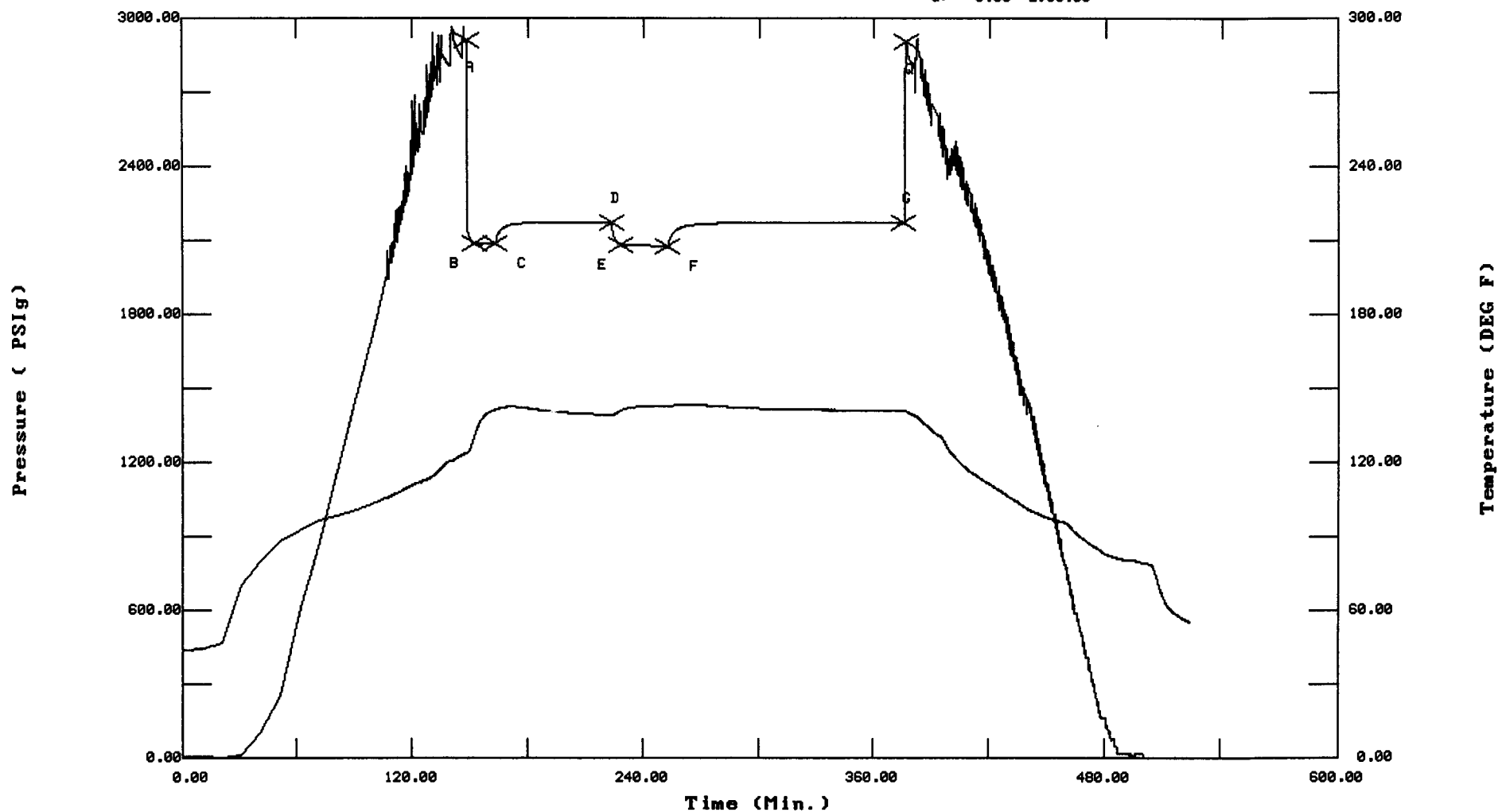
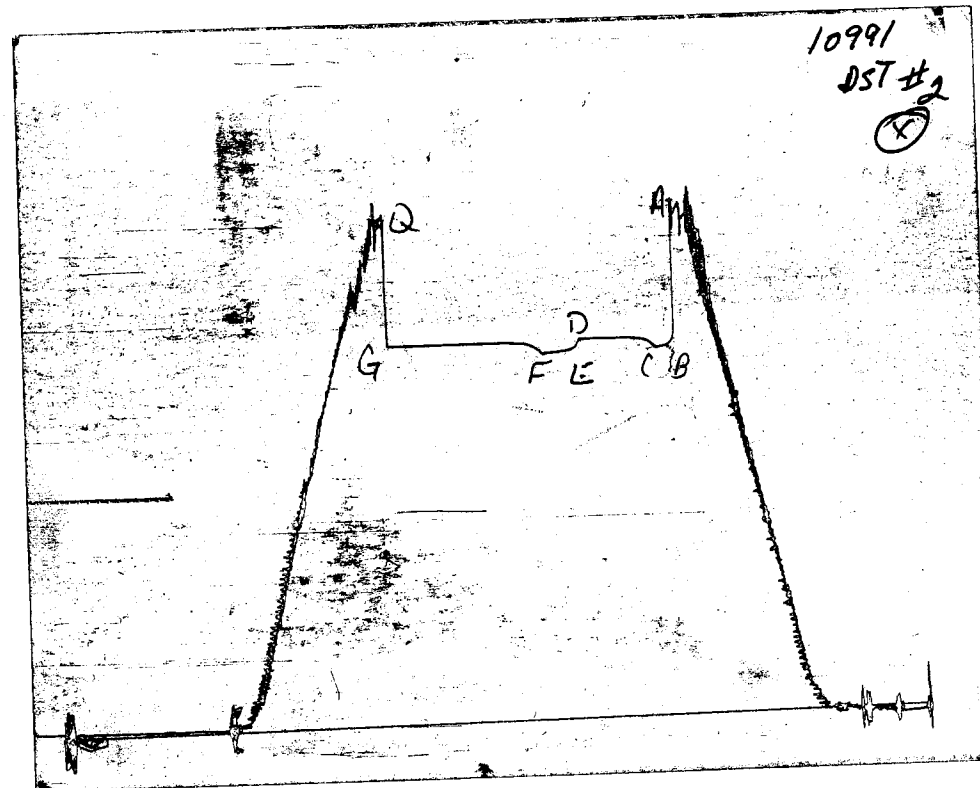


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart



GAS VOLUME REPORT

American Warrior, Inc.

ME REPORT
Lytle #1-17
WELL NAME AND NO.

#2

OPERATOR

WELL NAME AND NO.

DST NO

GTS in 1 min on Initial Flow

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12094

Test Ticket

Well Name & No.	<u>Lytle # 1-17</u>	Test No.	<u># 2</u>	Date	<u>04/01/2000</u>
Company	<u>American Warrior Inc. 3110 Cummins Zone Tested (Viola)</u>				
Address	<u>Box 399 Garden City, KS 67846-0399 Elevation 2010 KB 1992 GL</u>				
Co. Rep / Geo.	<u>Al Downing</u>	Cont.	<u>Duke # 7</u>	Est. Ft. of Pay	<u>Por. %</u>
Location: Sec.	<u>17</u>	Twp.	<u>33^S</u>	Rge.	<u>18^W</u>
Co.		<u>Comanche</u>		State <u>KS</u>	
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>—</u>	Turnkey (Y, N)	<u>—</u>
Evaluation (Y, N)		<u>—</u>			

Interval Tested	<u>5872' - 5899</u>	Initial Str Wt./Lbs.	<u>78,000</u>	Unseated Str Wt./Lbs.	<u>78,000</u>
Anchor Length	<u>27'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>85,000</u>
Top Packer Depth	<u>5867'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>5872'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>5899'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>294.40</u>
Mud Wt. <u>9.1</u> LCM <u>5[#]</u> Vis. <u>53</u> WL <u>8.0</u>		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>5576.60</u>
Blow Description <u>IF: Strong blow b.o.b in 10 sec. 6TS in 1 min. Gauge Gas</u>					
<u>ISF: Bled down for 45 mins. Built back to 1/2" in #120 bucket</u>					
<u>FF: Strong blow b.o.b in 10 sec. Gauge Gas</u>					
<u>FST: Bled down for 60 mins. Built back to 3/4" in #120 bucket.</u>					
Recovery — Total Feet	<u>1/2'</u>	GIP	<u>5870.5</u>	Ft. in DC	<u>.5</u>
		Ft. in DP	<u>—</u>		
Rec. <u>.5</u>	Feet Of	<u>USMK Condensate 952</u>	%gas	%oil	%water <u>5</u> %mud
Rec. <u>5870.5</u>	Feet Of	<u>Gas In pipe</u>	%gas	%oil	%water %mud
Rec. <u>—</u>	Feet Of		%gas	%oil	%water %mud
Rec. <u>—</u>	Feet Of		%gas	%oil	%water %mud
Rec. <u>—</u>	Feet Of		%gas	%oil	%water %mud
BHT <u>1440</u>	°F Gravity	°API D@		°F Corrected Gravity	°API
RW <u>—</u>	@	°F Chlorides		ppm Recovery	Chlorides <u>3,500</u> ppm System

(A) Initial Hydrostatic Mud	<u>2910</u>	AK-1	<u>2912</u>	Alpine	PSI Recorder No.	<u>2350</u>	T-On Location	<u>0415</u>
(B) First Initial Flow Pressure	<u>2103</u>		<u>2088</u>		PSI (depth)	<u>5878'</u>	T-Started	<u>0448</u>
(C) First Final Flow Pressure	<u>2092</u>		<u>2087</u>		PSI Recorder No.	<u>10991</u>	T-Open	<u>0723</u>
(D) Initial Shut-In Pressure	<u>2166</u>		<u>2174</u>		PSI (depth)	<u>5896'</u>	T-Pulled	<u>1007</u>
(E) Second Initial Flow Pressure	<u>2103</u>		<u>2085</u>		PSI Recorder No.		T-Out	<u>1300</u>
(F) Second Final Flow Pressure	<u>2082</u>		<u>2073</u>		PSI (depth)		T-Off Location	<u>1400</u>
(G) Final Shut-in Pressure	<u>2155</u>		<u>2173</u>		PSI Initial Opening	<u>15</u>	Test	<u>✓ 800</u>
(Q) Final Hydrostatic Mud	<u>2900</u>		<u>2907</u>		PSI Initial Shut-in	<u>60</u>	Jars	<u>✓ 200</u>
					Final Flow	<u>30</u>	Safety Joint	<u>✓ 50</u>
					Final Shut-in	<u>120</u>	Straddle	
							Circ. Sub	
							Sampler	
							Extra Packer	
							Elec. Rec.	<u>✓ 150</u>
							Mileage	
							Other	
							TOTAL PRICE \$	<u>1200</u>

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Approved By

Our Representative

Darren L. Merino

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, inc.

DATE 04/03/200

WELL NAME: Lytle #1-17

KB 2010.00 ft

TICKET NO: 12095

DST #3

LOCATION : sec.17 twp.33s rge.18w

GR 1997.00 ft

FORMATION: Arbukle

INTERVAL : 6177.00 To 6233.00 ft

TD 6273.00 ft

TEST TYPE: CONVENTIONAL/STRADDL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	2350	10991		PF Fr. 1623 to 1653 hr
SI 30 Range(Psi)	4025.0	4025.0	4995.0	4200.0	0.0	IS Fr. 1653 to 1723 hr
SF 15 Clock(hrs)	12hr.	12hr.	elec.	12hr.		SF Fr. 1723 to 1738 hr
FS 15 Depth(ft)	6226.0	6226.0	6183.0	6270.0	0.0	FS Fr. 1638 to 1753 hr

	Field	1	2	3	4	
A. Init Hydro	3096.0	3032.0	3037.0	3297.0	0.0	T STARTED 1344 hr
B. First Flow	111.0	110.0	25.0	0.0	0.0	T ON BOTM 1620 hr
B1. Final Flow	91.0	74.0	74.0	0.0	0.0	T OPEN 1623 hr
C. In Shut-in	2048.0	2054.0	2108.0	0.0	0.0	T PULLED 1753 hr
D. Init Flow	0.0	0.0	80.0	0.0	0.0	T OUT 2000 hr
E. Final Flow	0.0	0.0	10084.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	2072.0	0.0	0.0	
G. Final Hydro	3076.0	3008.0	2986.0	3275.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I	S		Tool Wt. 2100.00 lbs
						Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 78000.00 lbs
						Unseated Str Wt 78000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 294.40 ft
						D.P. Length 5916.60 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
 120.00 ft of drilling mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow built to 1 1/2" in bucket

Initial Shutin:
 Bled down for 2 minutes -
 no blow back

Final Flow:
 no blow

Final Shutin:
 no blow back

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type chemical
 Weight 9.10 lb/cf
 Vis. 55.00 S/L
 W.L. 6.80 in3
 F.C. 0.32 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 138.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 3
 Cushion Amt. 0.00 n
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Darren L.Amerine
 Co. Rep. Al Downing
 Contr. Duke
 Rig # 7
 Unit # no
 Pump T. none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL/STRADDL

WELL NAME: Lytle #1-17

LOCATION : sec.17 twp.33s rge.18w

TICKET No. 12095 D.S.T. No. 3 DATE 04/03/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 62

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 2 Total 62

TOTAL ASSEMBLY 124

D.C. ABOVE TOOLS.Stands5 Single Total 294.40

D.P. ABOVE TOOLS.Stands94 Single 1 Total 5887.60

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6306

TOTAL DEPTH 6273

TOTAL DRILL PIPE ABOVE K.B. 33

REMARKS:

P.O. SUB Top of tool @	6150
C.O. SUB	6151
S.I. TOOL	6156
HMV	6161
JARS	6166
SAFETY JOINT	6168
PACKER	6172
PACKER	6177
DEPTH 6177	
1'to	6178
ANCHOR 24'	6202
alpine rec.@ 6183	
Ak-1 rec.@ 6226	
31'of drillpipe to	6233
PACKER	6233
31'of drillpipe to	6264
4'of perfs.to	6268
ak-1 rec.@ 6270	
BULLNOSE 5'Bullnose to	6273
T.D.	

TEST HISTORY

Tk#12095 DST#3 Lytle-#1-17 American,Warrior.inc.

Flag Points
t(Min.) P(PSIg)

A:	0.00	3036.92
B:	0.00	25.25
C:	30.33	74.18
D:	29.83	2107.92
E:	0.00	79.64
F:	14.83	1083.67
G:	15.67	2072.42
Q:	0.00	2985.72

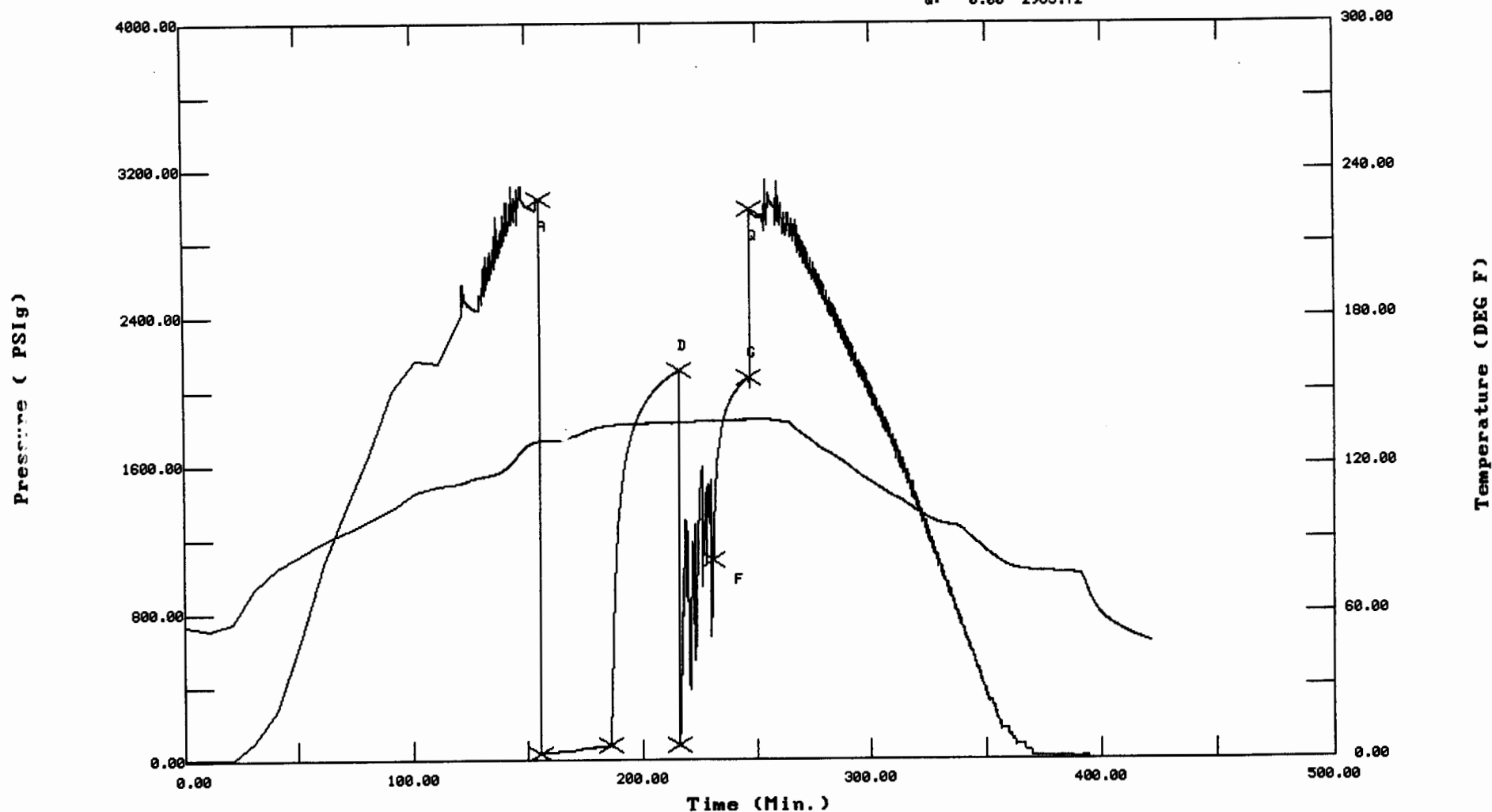
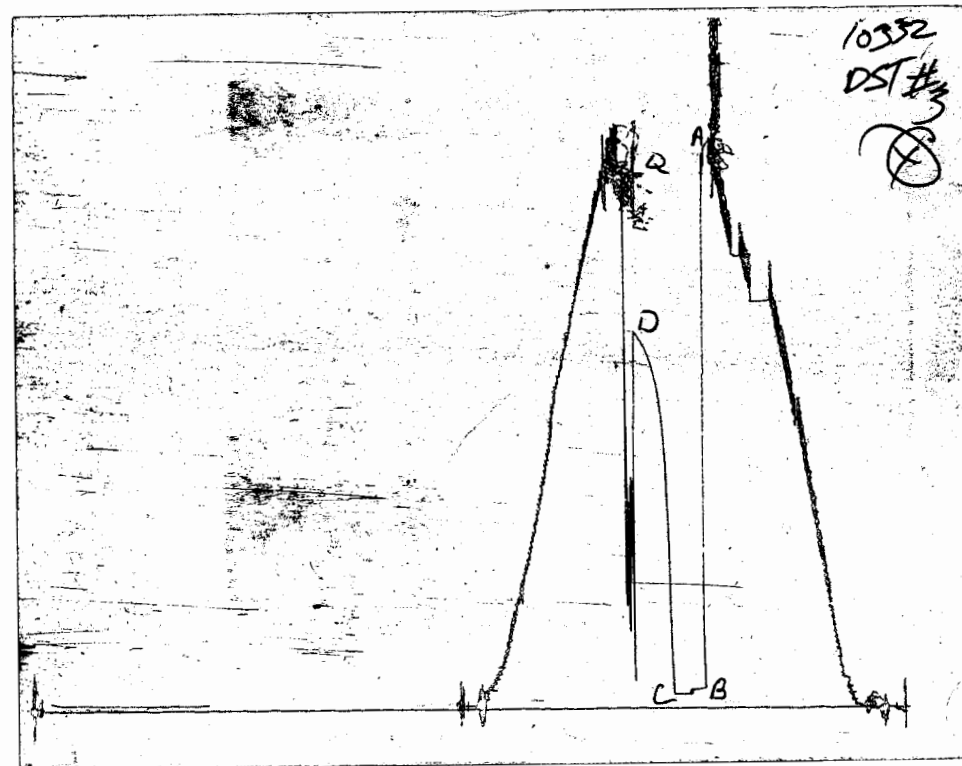
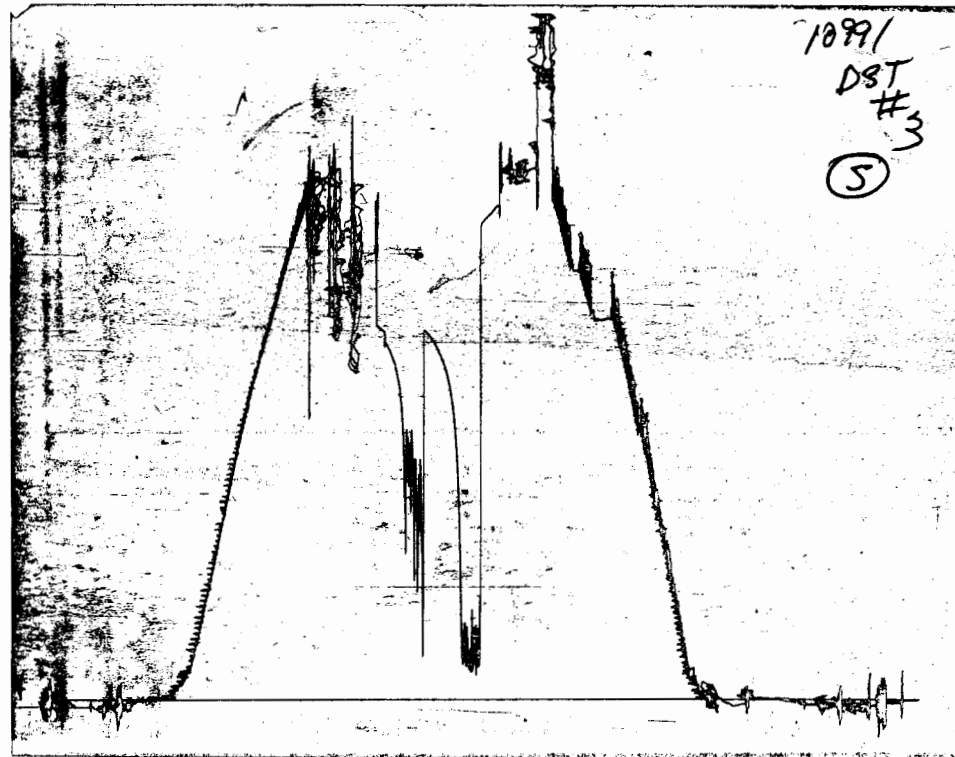


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12095

Test Ticket

Well Name & No.	<u>Lytle # 1-17</u>	Test No.	<u>#3</u>	Date	<u>7/5/2000</u>
Company	<u>American Warrior, Inc 3118 Cumins</u>		Zone Tested	<u>(Arbuckle)</u>	
Address	<u>Box 399 Garden, City KS 67846-0399</u>		Elevation	<u>2010</u>	KB <u>1997</u> GL
Co. Rep / Geo.	<u>AL Downing</u>	Cont.	<u>Duke #7</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>17</u>	Twp.	<u>33S</u>	Rge.	<u>18W</u> Co. <u>Comanche</u> State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u>—</u>	Turnkey (Y, N)	<u>—</u> Evaluation (Y, N) <u>—</u>

Interval Tested	<u>6177' - 6233'</u>	Initial Str Wt./Lbs.	<u>78000</u>	Unseated Str Wt./Lbs.	<u>78000</u>
Anchor Length	<u>56'</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>12000</u>
Top Packer Depth	<u>6172'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>6177' & 6233'</u>	Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>6275'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>294.40</u>
Mud Wt.	<u>9.1 LCM 8#</u> Vis. <u>55</u> WL <u>6.8</u>	Drill Pipe Size	<u>4 1/2 X H</u>	Ft. Run	<u>5916.60</u>
Blow Description <u>IF: (What blow built to 1 1/2" into 120 bucket</u>					
<u>ISI: Bled down for 2 mins. no blow back</u>					
<u>FF: No blow</u>					
<u>FST: No blow back</u>					

Recovery — Total Feet	<u>120'</u>	GIP	<u>—</u>	Ft. in DC	<u>120'</u>	Ft. in DP	<u>—</u>
Rec.	<u>120'</u>	Feet Of	<u>Drilling Mand</u>	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>138°</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>	°F Corrected Gravity	<u>—</u> °API
RW	<u>—</u>	@	<u>—</u>	°F Chlorides	<u>—</u>	ppm Recovery	Chlorides <u>3700</u> ppm System

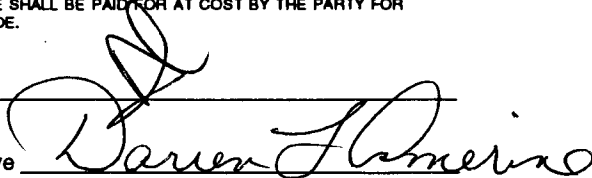
	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>3096</u>	<u>3037</u>	PSI Recorder No.	<u>2350</u>
(B) First Initial Flow Pressure	<u>111</u>	<u>25</u>	PSI (depth)	<u>6183'</u>
(C) First Final Flow Pressure	<u>91</u>	<u>74</u>	PSI Recorder No.	<u>10332°</u>
(D) Initial Shut-In Pressure	<u>2048</u>	<u>2108</u>	PSI (depth)	<u>6226'</u>
(E) Second Initial Flow Pressure	<u>5</u>	<u>80</u>	PSI Recorder No.	<u>10991</u>
(F) Second Final Flow Pressure	<u>5</u>	<u>1084</u>	PSI (depth)	<u>6270'</u>
(G) Final Shut-in Pressure	<u>—</u>	<u>2072</u>	PSI Initial Opening	<u>30</u>
(Q) Final Hydrostatic Mud	<u>3076</u>	<u>2986</u>	PSI Initial Shut-in	<u>30</u>
			Final Flow	<u>15</u>
			Final Shut-in	<u>15</u>

T-On Location	<u>1300</u>
T-Started	<u>1344</u>
T-Open	<u>1623</u>
T-Pulled	<u>1753</u>
T-Out	<u>2000</u>
T-Off Location	<u>2150</u>
Test	<u>✓ 900</u>
Jars	<u>✓ 200</u>
Safety Joint	<u>✓ 50</u>
Straddle	<u>✓ 250</u>
Circ. Sub	<u>—</u>
Sampler	<u>—</u>
Extra Packer	<u>150</u>
Elec. Rec.	<u>✓ 150</u>
Mileage	<u>—</u>
Other	<u>—</u>
TOTAL PRICE \$	<u>1700</u>

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Approved By

Our Representative



Well Name Lytle #1-17
DST Number 1
Recorder Number 10991

A:	<u>2.434</u>	<u>2579</u>
B:	<u>.102</u>	<u>108</u>
C:	<u>.081</u>	<u>86</u>
D:	<u>1.490</u>	<u>1586</u>
E:	<u>.093</u>	<u>99</u>
F:	<u>.076</u>	<u>80</u>
G:	<u>1.769</u>	<u>1880</u>
Q:	<u>2.445</u>	<u>2591</u>

Well Name Lytle
DST Number 2
Recorder Number 10991

A:	<u>2.760</u>	<u>2920</u>
B:	<u>1.984</u>	<u>2107.1</u>
C:	<u>1.974</u>	<u>2096</u>
D:	<u>2.037</u>	<u>2162</u>
E:	<u>1.980</u>	<u>2102</u>
F:	<u>1.962</u>	<u>2084</u>
G:	<u>2.031</u>	<u>2156</u>
Q:	<u>2.745</u>	<u>2904</u>

Well Name Lytle
DST Number 3
Recorder Number 10332

A: 2997 3032

B: 109 110

C: 1074 74

D: 2026 2054

E: _____

F: _____

G: _____

Q: 2973 3008